

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-223479

(43)Date of publication of application : 09.08.2002

(51)Int.Cl.

H04Q 7/38
H04J 11/00
H04J 13/00
H04L 12/28

(21)Application number : 2001-020459

(71)Applicant : MITSUBISHI MATERIALS CORP

(22)Date of filing : 29.01.2001

(72)Inventor : TAKANO RIKUO
UEOKA YASUSHIGE
YOKOSHIMA TAKAO
TASATO KAZUYOSHI
NAKAMURA KENZO
MATSUNO YOSHIHIRO
HATTORI TAKESHI

(54) WIRELESS DATA COMMUNICATION SYSTEM, BASE STATION, MOBILE STATION AND PROGRAM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a wireless data communication system that adopts a configuration based on broadband modulation and can use both a narrow band modulation system and a broadband modulation system and to provide a base station, a mobile station and a program.

SOLUTION: The base station 1 has a modulation means that applies narrow band modulation to a part of transmission signals where a modulation occupied band width is 25 kHz or below and applies broadband modulation to the other transmission signals where a modulation occupied band width is 25 kHz or over. Furthermore, each of mobile stations 1 (2) and 2 (3) has a demodulation means that demodulates a part of received signals subjected to narrow band modulation where a modulation occupied band width is 25 kHz or below and demodulates the other received signals subjected to broadband modulation where a modulation occupied band width is 25 kHz or over.

